

ABSTRACT

A carbonylation catalyst useful for producing esters and carboxylic acids from reactants including lower alkyl alcohols, lower alkyl alcohol generating compositions such as ether and ester derivatives of the alcohols, and mixtures thereof in a vapor phase 5 carbonylation process, said catalyst includes a solid component having a catalytically effective amount of platinum and tin associated with a solid catalyst support material and a vaporous halide promoter component.